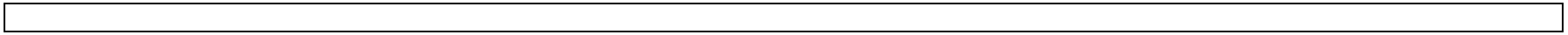
Within-Hour Operations and Their Impacts to Spill Accounting

Wednesday, May 26, 2004

Scheduling Timeline



Scheduling Timeline

HH:00
Begin taking
schedule changes
for Hour +1

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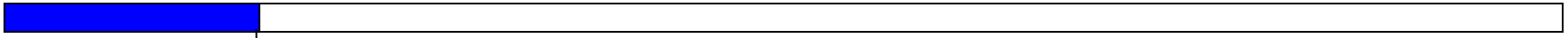
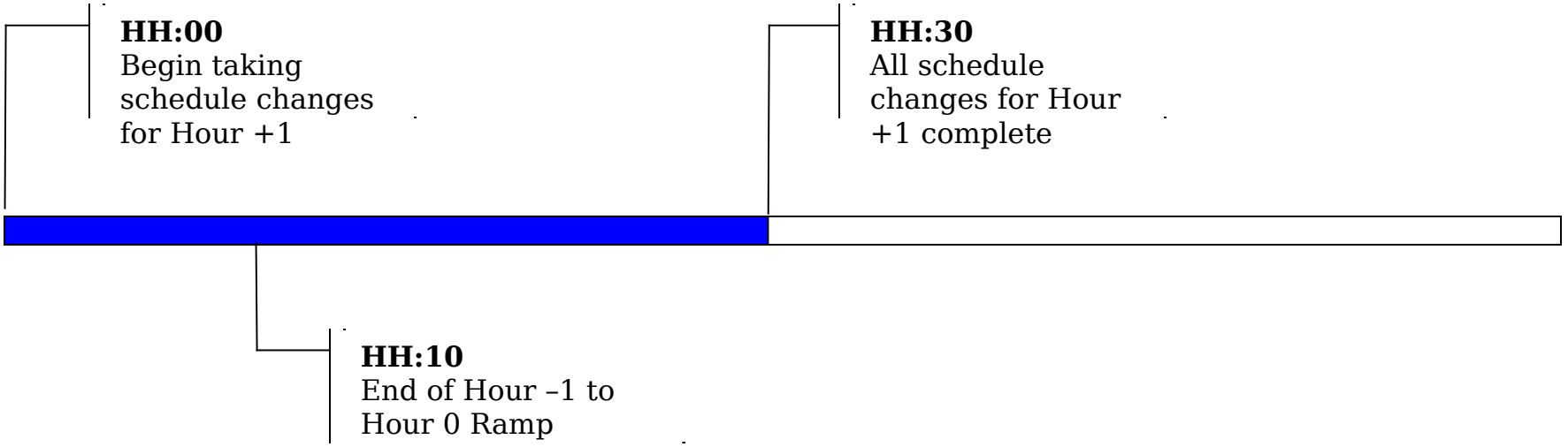
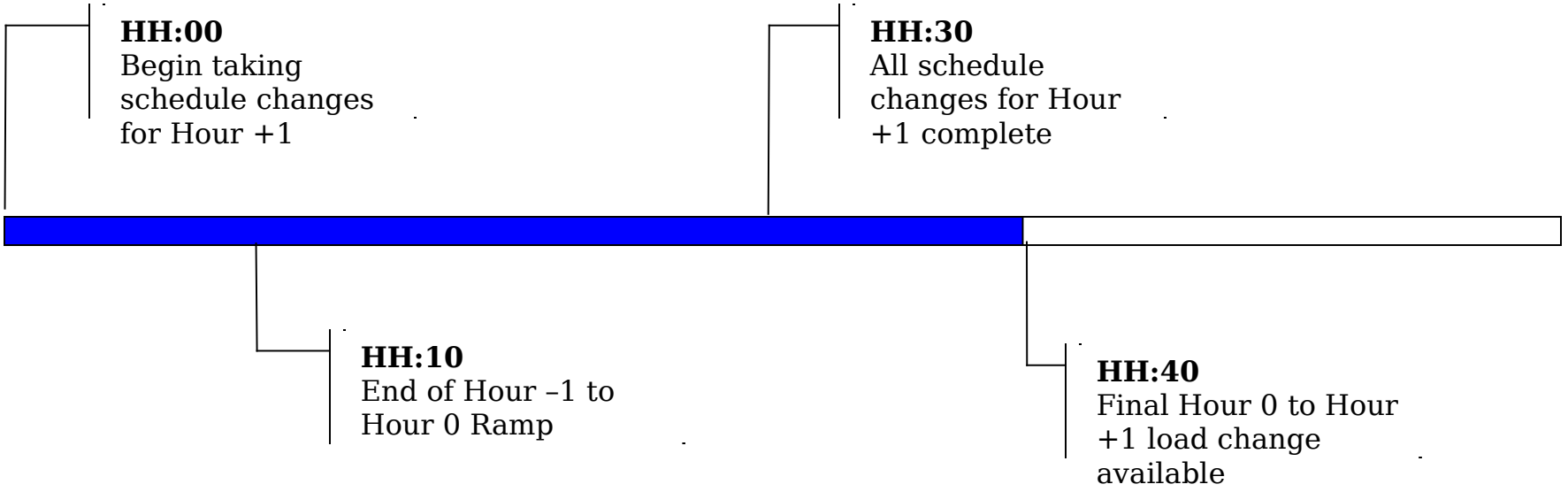


HH:10
End of Hour –1 to
Hour 0 Ramp

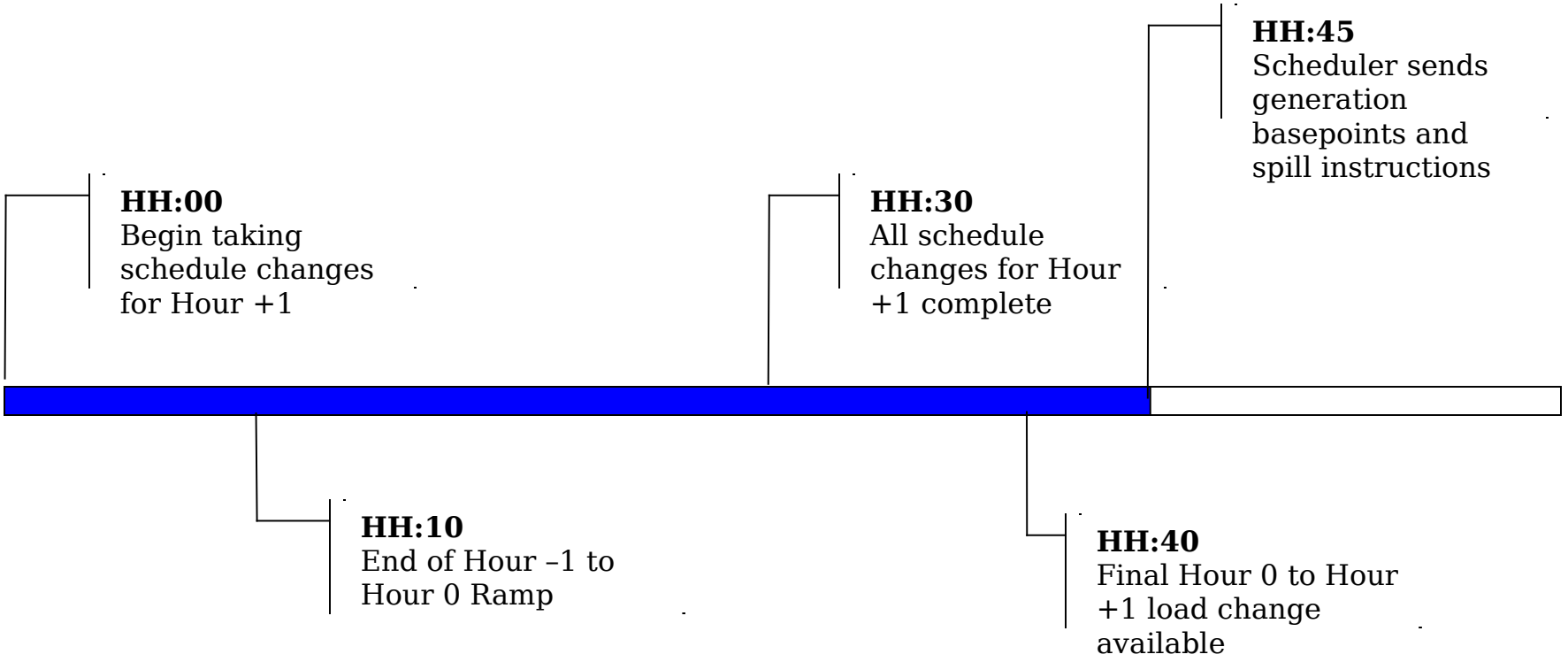
Scheduling Timeline


HH:00
Begin taking schedule changes for Hour +1
HH:30
All schedule changes for Hour +1 complete
HH:10
End of Hour –1 to Hour 0 Ramp

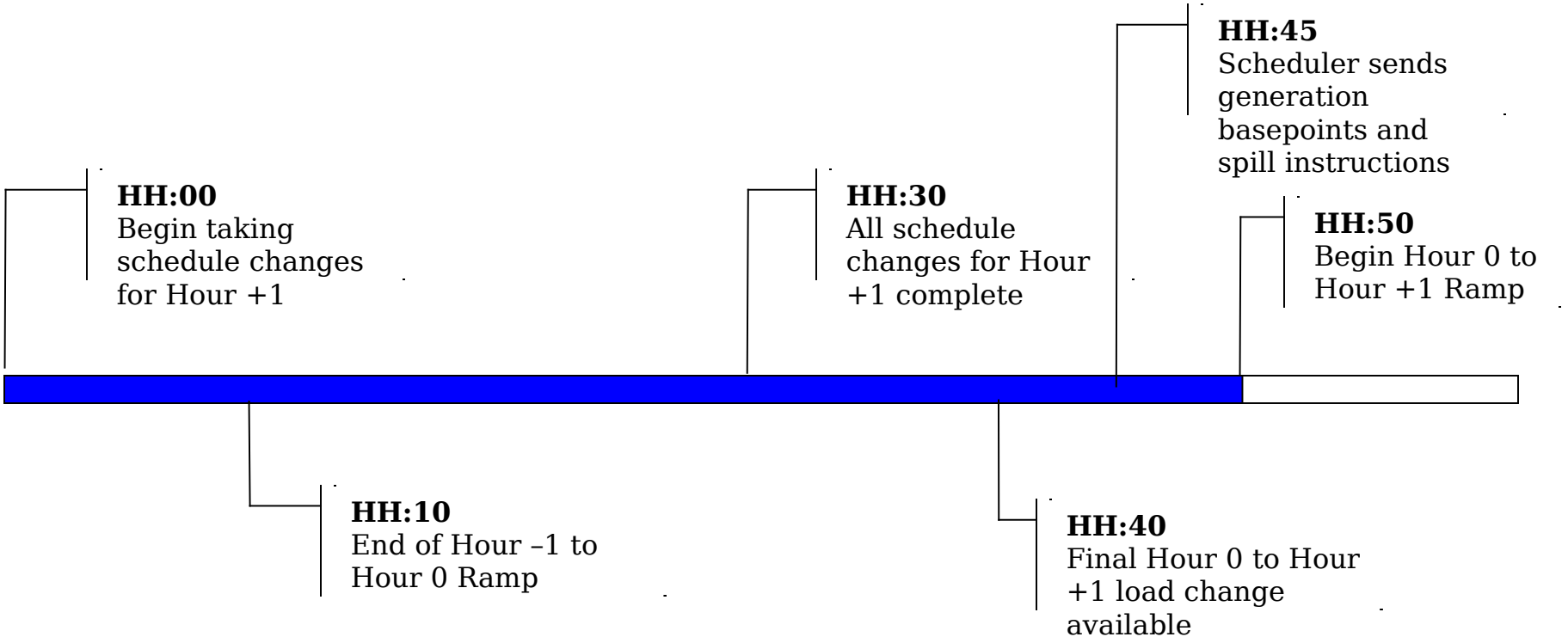
Scheduling Timeline


HH:00
Begin taking schedule changes for Hour +1
HH:30
All schedule changes for Hour +1 complete
HH:10
End of Hour –1 to Hour 0 Ramp
HH:40
Final Hour 0 to Hour +1 load change available

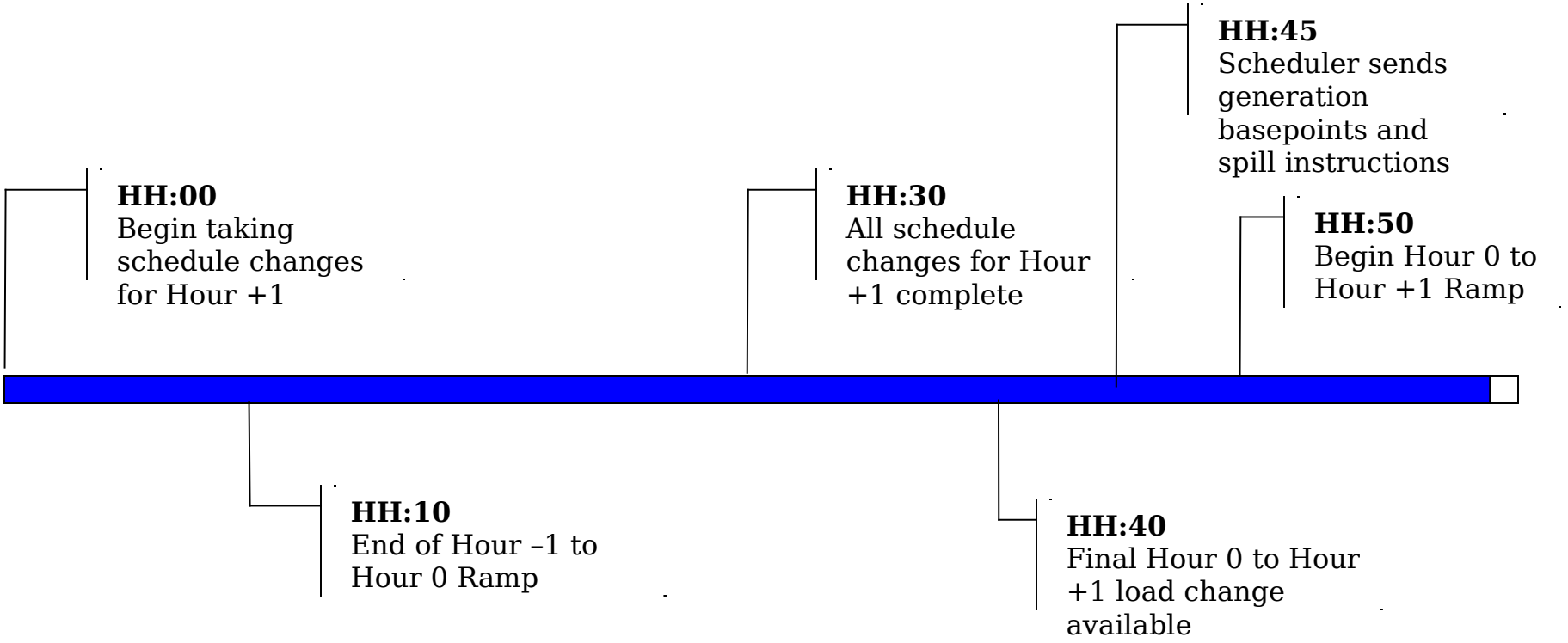
Scheduling Timeline


HH:45
Scheduler sends generation basepoints and spill instructions
HH:00
Begin taking schedule changes for Hour +1
HH:30
All schedule changes for Hour +1 complete
HH:10
End of Hour –1 to Hour 0 Ramp
HH:40
Final Hour 0 to Hour +1 load change available

Scheduling Timeline


HH:45
Scheduler sends generation basepoints and spill instructions
HH:00
Begin taking schedule changes for Hour +1
HH:30
All schedule changes for Hour +1 complete
HH:50
Begin Hour 0 to Hour +1 Ramp
HH:10
End of Hour –1 to Hour 0 Ramp
HH:40
Final Hour 0 to Hour +1 load change available

Scheduling Timeline


HH:00
Begin taking schedule changes for Hour +1
HH:10
End of Hour –1 to Hour 0 Ramp
HH:30
All schedule changes for Hour +1 complete
HH:40
Final Hour 0 to Hour +1 load change available
HH:45
Scheduler sends generation basepoints and spill instructions
HH:50
Begin Hour 0 to Hour +1 Ramp

Within-Hour Considerations

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Minimum generation requirements for voltage co

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Load following capability (Responses)

- Maintains system frequency under constantly changing demand
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- All generators in the region adjusting to Hour 0 - Hour +1 load change
- Spill changes implemented

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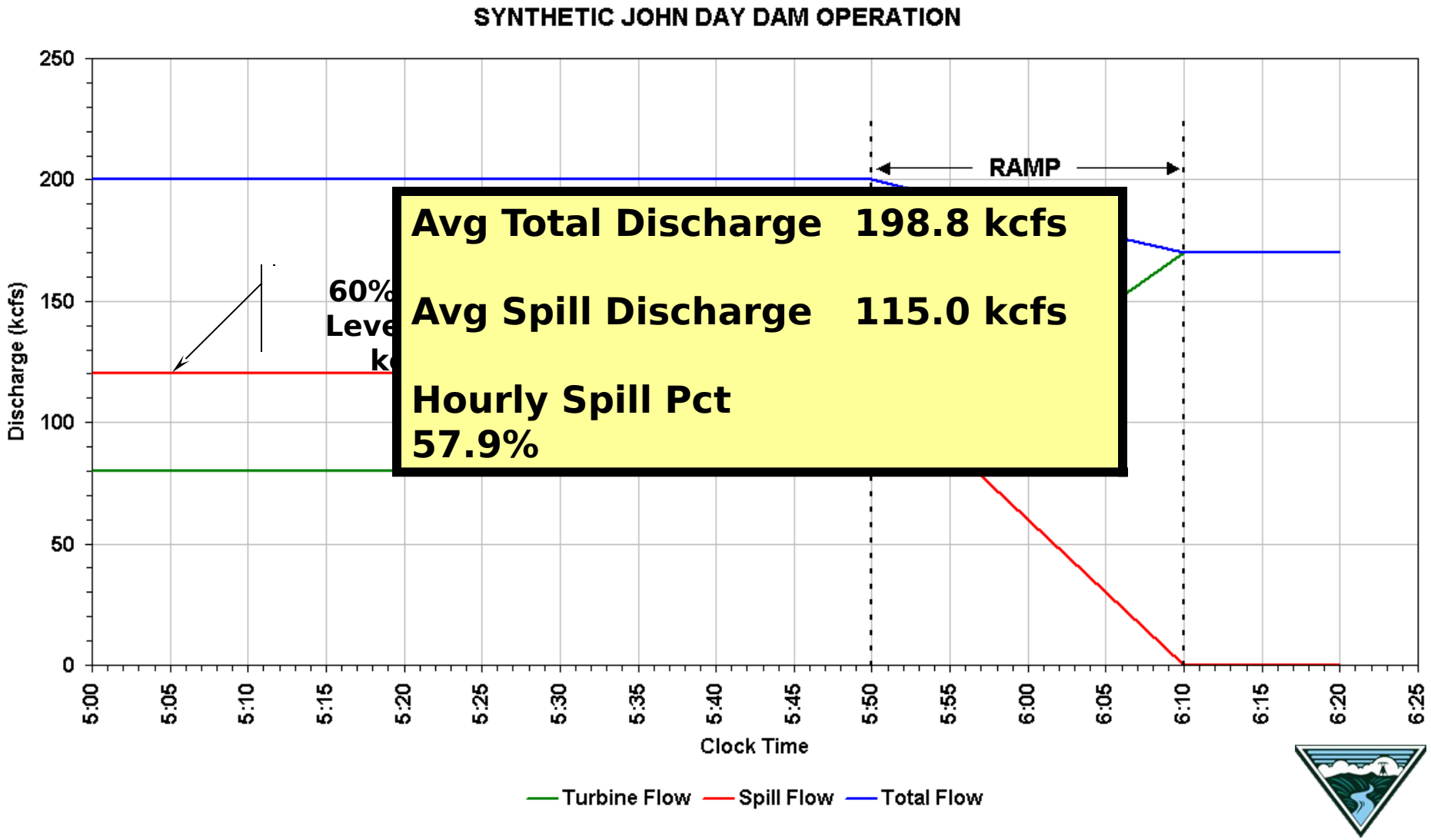
Hourly Ramp

- 20-minute ramp between HH:50 and HH:10
- All generators in the region adjusting to Hour 0 - Hour +1 load change
- Spill changes implemented
- Changes during the ramp skew hourly data

Between-Hour Considerations



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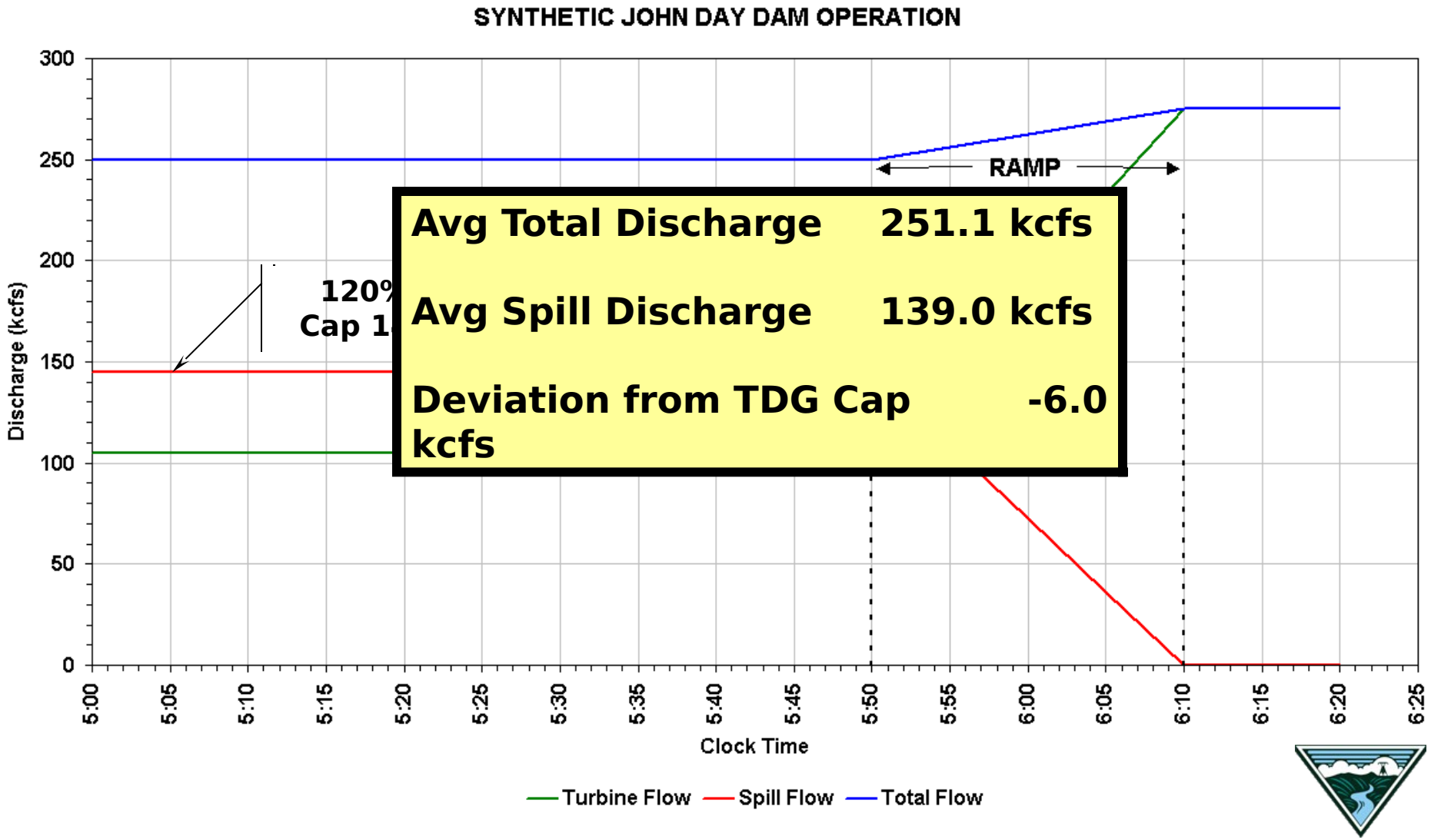

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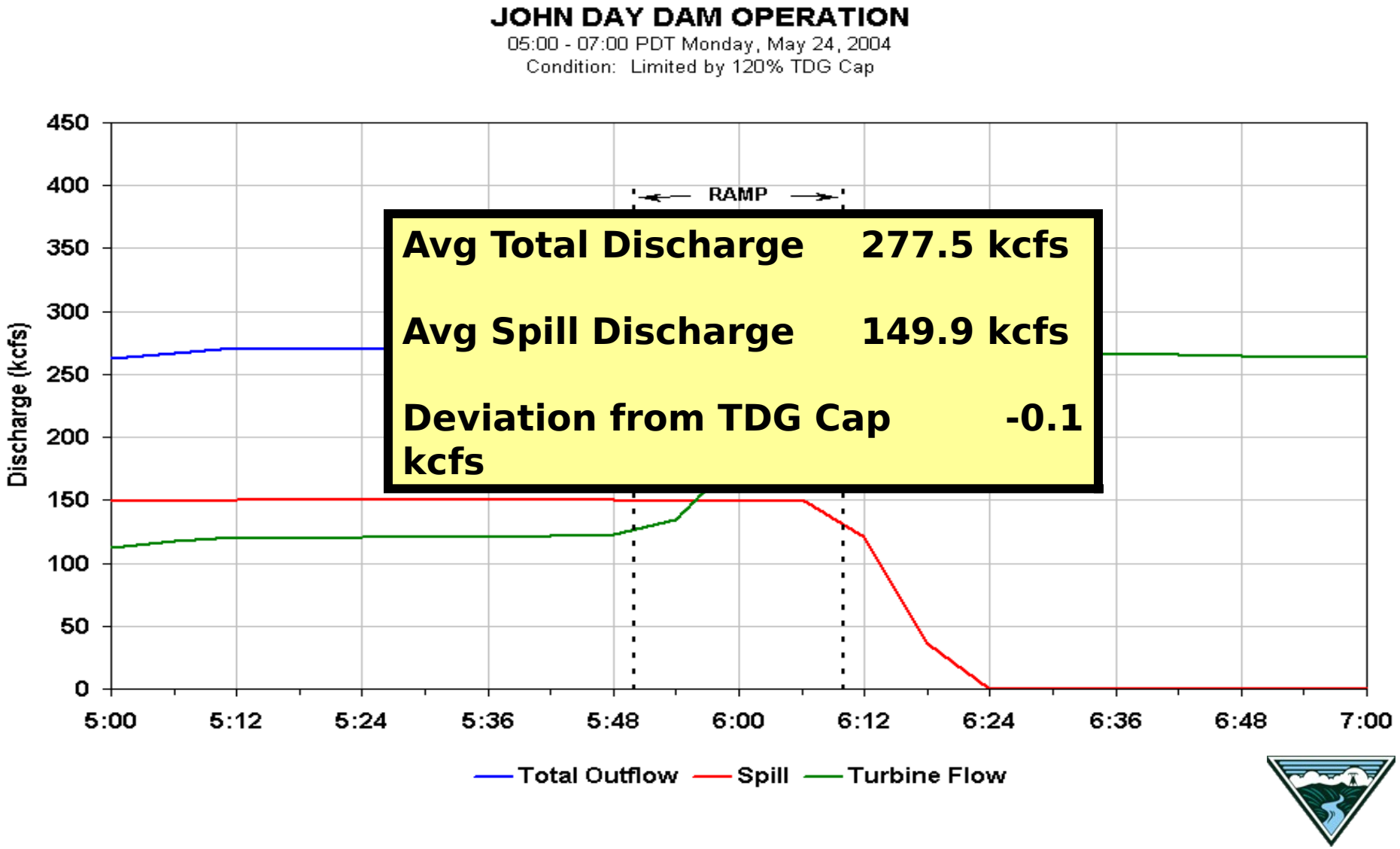

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